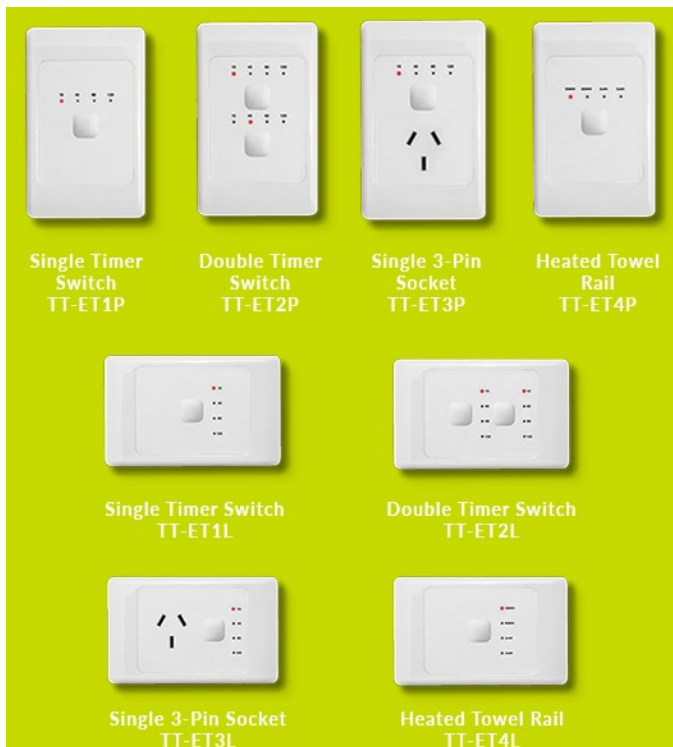




envirotouch™

PRODUCT MANUAL



The **envirotouch™** is a range of intelligent, timer based switches which allows easy, point-of-use control of lighting and electrical devices. It includes multiple pre-set, countdown timer options or cycles, so with the simple press of a button it will automatically turn off the appliance, after the desired time.

Designed for simple retrofitting of current switches and power sockets; can be hard-wired to light circuits or used with plug-in appliances to give intelligent control, but at a fraction of the cost.

envirotouch™ comes in 8 different styles, so you can use them throughout the home or workplace and increase the benefits.

The envirotouch™ range is supplied by Thermofilm Australia Pty Ltd, based in Melbourne.

The intelligent, energy saving solution



Specifications - Australia

Rev E DEC15

| MODEL | DESCRIPTION | OUTPUT WIRING | APPLIANCES | CURRENT (AMPS) | TIME |
|--------------------|-----------------------------|---------------|------------|----------------|---------------------------------|
| TT-ET1P TT-ET1L | SINGLE LIGHT / APPLIANCE | INTERNAL | SINGLE | 10 | Continuous, 15, 45, 60, 120 min |
| TT-ET2P TT-ET2L | DOUBLE LIGHT / APPLIANCE | INTERNAL | DOUBLE | 2 x 10 Amp | Continuous, 15, 45, 60, 120 min |
| TT-ET3P TT-ET3L | APPLIANCE PLUG-IN | 3 PIN SOCKET | SINGLE | 10 | Continuous, 15, 45, 60, 120 min |
| TT-ET4P TT-ET4L | HEATED TOWEL RAIL | INTERNAL | SINGLE | 10 | 30, 60, 2x4h, 2x6H |

MODEL

| | | | |
|-----------------------|---|---------------------------------|---|
| SWITCH TYPE | Electronic switch for power savings by the addition of a timer option | | |
| OUTPUT | Refer to model code chart above | | |
| POWER | 220-240 Volts Nominal at 50 Hertz, Single Phase | | |
| OPERATING TEMPERATURE | -10°C TO 45°C | | |
| UNIT WEIGHT | 100g | | |
| APPROVALS | AUSTRALIA/NZ | TTET1/ TT-ET2/ TT-ET4 TT-ET3 | AS/NZS60669 AS/NZS/60669; 3100; 3112 |
| UNIT DIMENSIONS | 118x74x13mm | | |
| PROTECTION RATING | For internal use only | | |

NOTE:

“INTERNAL” means the wiring from the back of the controller for concealed wiring.

Controllers are available in portrait and landscape profile.

The Envirotouch range is not suitable to be used for two way lighting (two switches controlling one appliance)

For models, TT-ET1/L & TT-ET2/L, 3 minutes before the switch turns off the light, the lights will dip momentarily to warn you the light will be turned off.

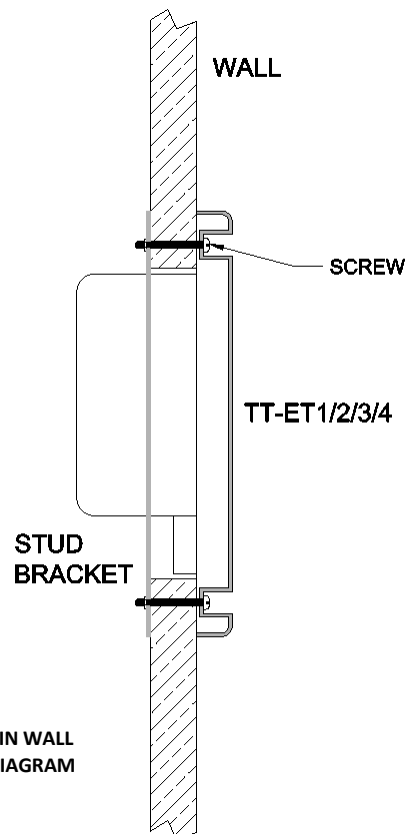
The power draw when in the OFF position is less than 1 Watt.

The Neutral Wire must be connected to the controller unit.

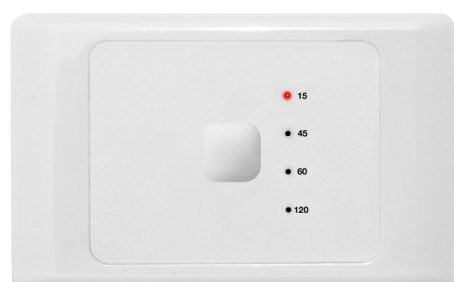
All wiring must be performed by a suitable licenced electrician.

Note:

Suitable for internal applications only.

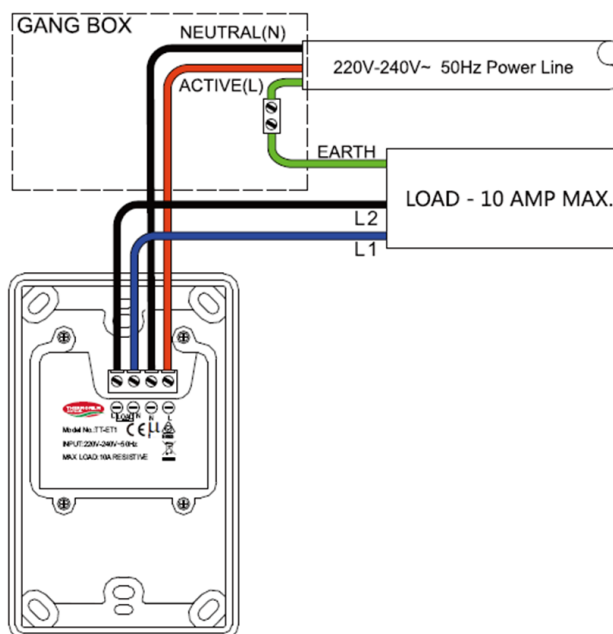


CONTROLLER IN WALL
MOUNTING DIAGRAM



TT-ET1P & TT-ET1L SINGLE SWITCH FOR LIGHT OR APPLIANCE

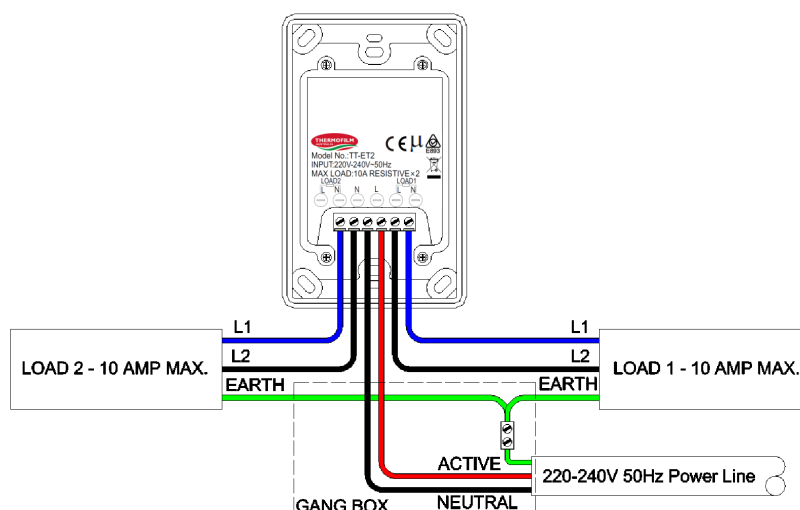
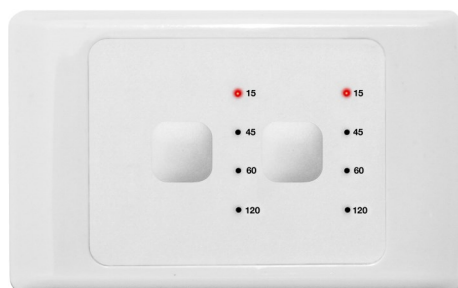
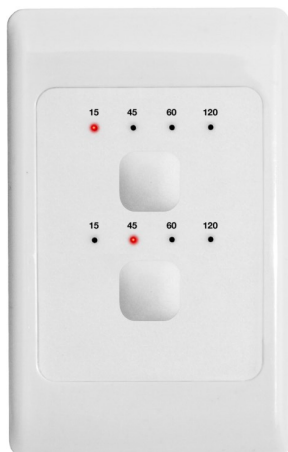
The TT-ET1P & TT-ET1L has been designed for applications such as lights or electrical devices.



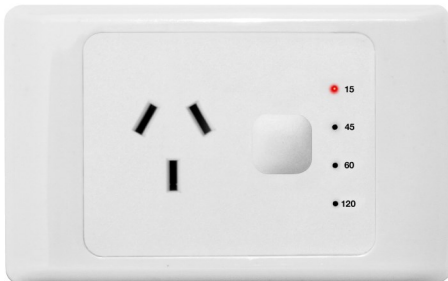
| TO TURN ON | OUTPUT | LIGHTS | FUNCTION |
|--------------------------------------|--------|---|--|
| Press button | ON | All lights flash once then go OFF | The output will stay ON indefinitely |
| Press button again within 3 seconds | ON | The 15 minute light will come ON and stay ON | Output will turn OFF after 15 minutes |
| Press button again within 3 seconds | ON | The 45 minute light will come ON and stay ON | Output will turn OFF after 45 minutes |
| Press button again within 3 seconds | ON | The 60 minute light will come ON and stay ON | Output will turn OFF after 60 minutes |
| Press button again within 3 seconds | ON | The 120 minute light will come ON and stay ON | Output will turn OFF after 120 minutes |
| Press button again within 3 seconds | ON | All lights flash once then go OFF | The output will stay ON indefinitely |
| TO TURN OFF | | | |
| Wait 3 seconds then press button | OFF | All lights go OFF | The output will stay OFF indefinitely |
| CHANGE DEFAULT | | | |
| Press button and hold for 5 seconds | OFF | All lights flash ON, then go OFF | This will change the default for the first time the button is pushed. The factory setting is ON continuous for the first time the button is pushed |
| Press button again within 3 seconds | OFF | The 15 minute light will come ON and stay ON | The default will be changed to 15 minutes |
| Press button again within 3 seconds | OFF | The 45 minute light will come ON and stay ON | The default will be changed to 45 minutes |
| Press button again within 3 seconds | OFF | The 60 minute light will come ON and stay ON | The default will be changed to 60 minutes |
| Press button again within 3 seconds | OFF | The 120 minute light will come ON and stay ON | The default will be changed to 120 minutes |
| Press button again within 3 seconds | OFF | All lights go ON and stay ON | The default will be changed to ON indefinitely |
| Don't press the button for 5 seconds | OFF | All lights flash ON twice then go OFF | The default program will be exited |

TT-ET2P & TT-ET2L DOUBLE SWITCH FOR 2 x LIGHT CIRCUITS OR APPLIANCES

The Double Wall Switch is for operating 2 x light circuit or appliances.

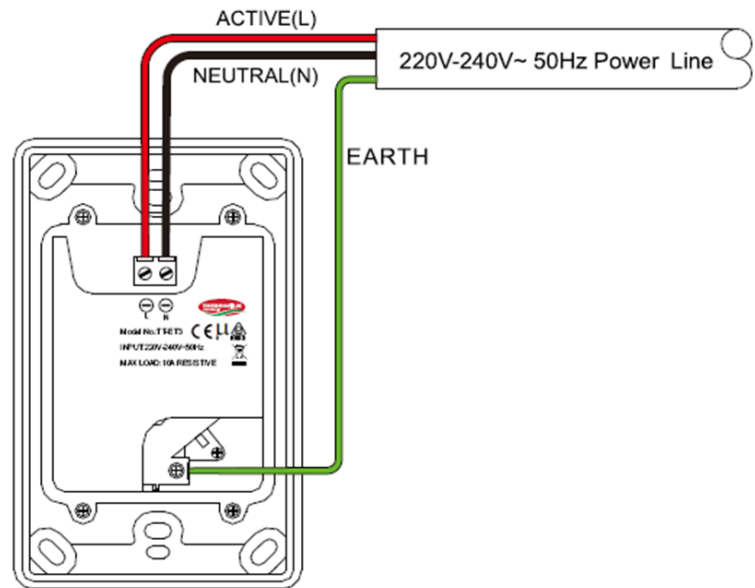


| TO TURN ON | OUTPUT | LIGHTS | FUNCTION |
|--------------------------------------|--------|---|--|
| Press button | ON | All lights flash once then go OFF | The output will stay ON indefinitely |
| Press button again within 3 seconds | ON | The 15 minute light will come ON and stay ON | Output will turn OFF after 15 minutes |
| Press button again within 3 seconds | ON | The 45 minute light will come ON and stay ON | Output will turn OFF after 45 minutes |
| Press button again within 3 seconds | ON | The 60 minute light will come ON and stay ON | Output will turn OFF after 60 minutes |
| Press button again within 3 seconds | ON | The 120 minute light will come ON and stay ON | Output will turn OFF after 120 minutes |
| Press button again within 3 seconds | ON | All lights flash once then go OFF | The output will stay ON indefinitely |
| TO TURN OFF | | | |
| Wait 3 seconds then press button | OFF | All lights go OFF | The output will stay OFF indefinitely |
| CHANGE DEFAULT | | | |
| Press button and hold for 5 seconds | OFF | All lights flash ON, then go OFF | This will change the default for the first time the button is pushed. The factory setting is ON continuous for the first time the button is pushed |
| Press button again within 3 seconds | OFF | The 15 minute light will come ON and stay ON | The default will be changed to 15 minutes |
| Press button again within 3 seconds | OFF | The 45 minute light will come ON and stay ON | The default will be changed to 45 minutes |
| Press button again within 3 seconds | OFF | The 60 minute light will come ON and stay ON | The default will be changed to 60 minutes |
| Press button again within 3 seconds | OFF | The 120 minute light will come ON and stay ON | The default will be changed to 120 minutes |
| Press button again within 3 seconds | OFF | All lights go ON and stay ON | The default will be changed to ON indefinitely |
| Don't press the button for 5 seconds | OFF | All lights flash ON twice then go OFF | The default program will be exited |

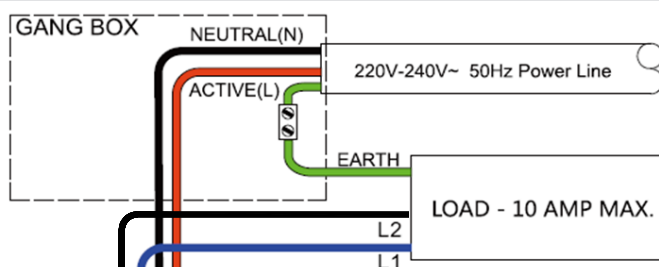


TT-ET3P & TT-ET3L PLUG-IN APPLIANCE SWITCH

The TT-ET3P & TT-ET3L has been designed to be used with appliances that have a 3 pin Australian plug and draw no more than 10amps. They are suitable for heaters, fans, pumps and other appliances that can be controlled by a timer.



| TO TURN ON | OUTPUT | LIGHTS | FUNCTION |
|--------------------------------------|--------|---|--|
| Press button | ON | All lights flash once then go OFF | The output will stay ON indefinitely |
| Press button again within 3 seconds | ON | The 15 minute light will come ON and stay ON | Output will turn OFF after 15 minutes |
| Press button again within 3 seconds | ON | The 45 minute light will come ON and stay ON | Output will turn OFF after 45 minutes |
| Press button again within 3 seconds | ON | The 60 minute light will come ON and stay ON | Output will turn OFF after 60 minutes |
| Press button again within 3 seconds | ON | The 120 minute light will come ON and stay ON | Output will turn OFF after 120 minutes |
| Press button again within 3 seconds | ON | All lights flash once then go OFF | The output will stay ON indefinitely |
| TO TURN OFF | | | |
| Wait 3 seconds then press button | OFF | All lights go OFF | The output will stay OFF indefinitely |
| CHANGE DEFAULT | | | |
| Press button and hold for 5 seconds | OFF | All lights flash ON, then go OFF | This will change the default for the first time the button is pushed. The factory setting is ON continuous for the first time the button is pushed |
| Press button again within 3 seconds | OFF | The 15 minute light will come ON and stay ON | The default will be changed to 15 minutes |
| Press button again within 3 seconds | OFF | The 45 minute light will come ON and stay ON | The default will be changed to 45 minutes |
| Press button again within 3 seconds | OFF | The 60 minute light will come ON and stay ON | The default will be changed to 60 minutes |
| Press button again within 3 seconds | OFF | The 120 minute light will come ON and stay ON | The default will be changed to 120 minutes |
| Press button again within 3 seconds | OFF | All lights go ON and stay ON | The default will be changed to ON indefinitely |
| Don't press the button for 5 seconds | OFF | All lights flash ON twice then go OFF | The default program will be exited |



TT-ET4P & TT-ET4L HEATED TOWEL RAIL SWITCH

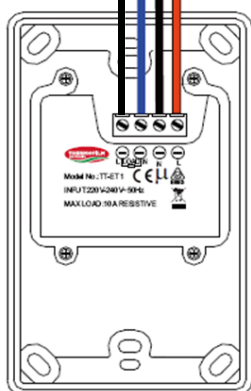
The TT-ET4P & TT-ET4L has been developed for use with heated towel rails. It can also be used with other appliances that are suitable to be used on a 24 hour cycle.

OPERATION

The TT-ET4 & TT-ET4L has 2 modes of operation:

- 1) The switch can be turned on manually for either 30 or 60 minutes.
- 2) The switch can function as a continuous timer which is intended to provide automatic towel heater operation in both the morning and evening. For example, the 2x4H cycle will turn ON for 4 hours and then OFF for 8 hours on a continuous cycle. Decide when you want the towel rail to be ON, setting it at 6pm at night turns the appliance on from 6pm to 10pm and again from 6am to 10am

Once the switch is turned ON the Envirotouch starts counting the ON hours immediately.



| TO TURN ON | OUTPUT | LIGHTS | FUNCTION |
|--------------------------------------|--------|---|--|
| Press button | ON | The 30 minute light will come ON and stay ON | Output will turn OFF after 30 minutes |
| Press button again within 3 seconds | ON | The 60 minute light will come ON and stay ON | Output will turn OFF after 60 minutes |
| Press button again within 3 seconds | ON | The 2x4H light will come ON and stay ON | Output will be ON for fours hours. It will turn OFF for 8 hours. It will then turn ON again for 4 hours. It repeats this cycle indefinitely. |
| Press button again within 3 seconds | ON | The 2x6H light will come ON and stay ON | Output will be ON for six hours. It will turn OFF for 8 hours. It will then turn ON again for 6 hours. It repeats this cycle indefinitely. |
| Press button again within 3 seconds | ON | The 30 minute light will come ON and stay ON | Output will turn OFF after 30 minutes |
| TO TURN OFF | | | |
| Wait 3 seconds then press button | OFF | All lights go OFF | The output will stay OFF indefinitely |
| CHANGE DEFAULT | | | |
| Press button and hold for 5 seconds | OFF | All lights flash ON, then go OFF | This will change the default for the first time the button is pushed. The factory setting is 30MIN for the first time the button is pushed |
| Press button again within 3 seconds | OFF | The 60MIN minute light will come ON and stay ON | The default will be changed to 60 minutes |
| Press button again within 3 seconds | OFF | The 2x4H light will come ON and stay ON | The default will be changed to 2x4H |
| Press button again within 3 seconds | OFF | The 2x6H light will come ON and stay ON | The default will be changed to 2x6H |
| Press button again within 3 seconds | OFF | All 30MIN light go ON and stay ON | The default will be changed to ON indefinitely |
| Don't press the button for 5 seconds | OFF | All lights flash ON twice then go OFF | The default program will be exited |

SAFETY

Independent laboratory testing has confirmed Thermofilm's full compliance with Australian and other International Standards. This includes AS/NZ.

The fixed wiring must be installed by a licensed electrician in accordance with the relevant local wiring regulations.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or intellectual capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure they do not play with the appliance.

If installed in wet areas, the switches must be located so that they cannot be touched by persons in the bath or shower.

MAINTENANCE

It is recommended that you dean your Envirotouch Wall Controller. With a soft cloth, gently wipe the surfaces of the controller with a mild detergent to remove the built up contaminants from the environment. Then with a clean cloth ensure all detergent is removed.

Do not use any abrasive materials or products to clean the switch, this includes solvents, citrus based cleaners or other harsh cleaning products.

